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**From:** Alvey, Robert [Alvey.Robert@epa.gov]  
**Sent:** 3/12/2013 1:27:24 PM  
**To:** Stein, Carol [Stein.Carol@epa.gov]; Fly, Lora B CIV NAVFAC MIDLANT, IPTNE [lora.fly@navy.mil]  
**CC:** Steven Scharf [sxscharf@gw.dec.state.ny.us]; Paul Misut [pemisut@usgs.gov]; Steve Terracciano [saterrac@usgs.gov]  
**Subject:** RE: GM-38 capture zone analysis - pumping tests schedule

Carol and Lora,  
Thank you for the update regarding access to the wells needed for the pumping test in association with the GM-38 capture zone analysis. I am glad that Northrop-Grumman has granted access to "their" wells and assume all other access agreements have been finalized. The actual pumping test is a key component in association with the modeling effort and getting the transducer network operational before the actual start of the test is important. I suggest the water levels begin to be monitored continuously as soon as installed and the data downloaded on a regular basis. That will provide background info on the normal water level fluctuation range, and the experts can observe changes due to precipitation events and other pumping in the area. If there are any scheduled maintenance outages of a recovery well or plant, that can also be noted in the transducer data.

Please let USGS know of the revised schedule. Is there a bit more of a detailed work plan on the actual pumping test? Most tests monitor both drawdown and recovery of monitoring well water levels in association with start-up or "shutdown" of pumps. Not sure if a sequence and full recovery operation is planned, and how is possible temporary suspensions of recovery pumping being addressed.

Thanks  
Rob Alvey

-----Original Message-----

**From:** Stein, Carol  
**Sent:** Friday, March 08, 2013 10:09 AM  
**To:** Fly, Lora B CIV NAVFAC MIDLANT, IPTNE  
**Cc:** Steven Scharf; Alvey, Robert  
**Subject:** RE: GM-38 capture zone analysis

Thanks Lora.

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**From:** Fly, Lora B CIV NAVFAC MIDLANT, IPTNE [lora.fly@navy.mil]  
**Sent:** Friday, March 08, 2013 8:43 AM  
**To:** Stein, Carol  
**Cc:** Steven Scharf  
**Subject:** RE: GM-38 capture zone analysis

Carol,  
We received permission from NGC in January to install the data logger so we are collect the data from all the wells. My consultants are putting together a schedule and I will issue that as soon as it is ready.  
Lora

-----Original Message-----

**From:** Stein, Carol [mailto:Stein.Carol@epa.gov]  
**Sent:** Wednesday, March 06, 2013 12:11 PM  
**To:** Steven Scharf; Fly, Lora B CIV NAVFAC MIDLANT, IPTNE  
**Subject:** GM-38 capture zone analysis

Steve/ Lora - Rob Alvey had asked me about the status of the planned pump test and capture zone computer modeling associated with the GM-38 groundwater recovery and treatment facility. Just wondering if there is anything EPA might be able to help with regarding access agreements, etc.

Thanks.